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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 10

WEEKLY REPORT

Week Ending March 13, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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EPIDEMIOLOGICAL NOTES

INFLUENZA

For the second successive week, Influenza–Pneumonia mortality reported from 122 U.S. cities remains above the "epidemic threshold" although headed downward. (See graph page 91) The East North Central, West North Central, and West South Central Divisions contribute most substantially to the elevated national total. Within these Divisions are States previously described as recognizing the presence of influenza.

Information has recently been received which notes recognition of scattered influenza-like illnesses occurring in parts of Utah. Laboratory investigation of cases is under way.

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Serological confirmation of Type A influenza in characteristic cases previously described in North Carolina, Tennessee, and Arkansas (presumptive) is now complete. An acute-convalescent serum pair from a single case in Minnesota is reported to show a significant antibody titer increase to Type A influenza although there is no evidence of related illnesses.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	10th Week Ended			Cumulative, First 10 Weeks		
	March 13, 1965	March 7, 1964	Median 1960 - 1964	1965	1964	Median 1960 - 1964
Aseptic meningitis	25	28	19	272	259	229
Brucellosis	5	7	7	39	73	73
Diphtheria	12	3	8	43	38	110
Encephalitis, primary infectious	38	33	---	293	308	---
Encephalitis, post-infectious	10	18	---	126	101	---
Hepatitis, infectious including serum hepatitis	811	1,026	1,026	7,824	9,457	11,104
Measles	12,148	14,223	14,223	82,973	85,605	100,813
Meningococcal infections	107	83	49	803	587	558
Poliomyelitis, Total	-	2	3	2	11	66
Paralytic	-	2	3	2	7	40
Nonparalytic	-	-	---	-	4	---
Unspecified	-	-	---	-	-	---
Streptococcal Sore Throat and Scarlet fever	12,784	12,895	10,541	110,923	103,216	95,974
Tetanus	1	1	---	34	42	---
Tularemia	7	4	---	45	63	---
Typhoid fever	14	5	9	76	64	82
Rabies in Animals	112	86	79	951	722	668

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Rabies in Man:	-
Botulism: Ala-1	1	Smallpox:	-
Leptospirosis: W.Va-2	9	Trichinosis: NY Up-State-7	27
Malaria:Ore-1, S.C.-1	8	Typhus-	
Plague:	-	Murine: Calif-2	4
Psittacosis:	3	Rky Mt. Spotted:	6

EPIDEMIOLOGICAL NOTES
Influenza – International Summary

Since January 1965, the presence of influenza or influenza-like illness has been reported to the world Health Organization from 12 European countries and one in Asia. The relative amounts of disease have varied considerably. In some areas scattered, sporadic cases have been recognized, while in others, relatively widespread illness appears to have occurred.

Isolation of A_2 strain viruses or serological confirmation of Type A influenza has been accomplished in nine of these countries and Type B viruses have been isolated in three. Of interest is the observation that two of the Type B isolates have been made in countries where laboratory confirmed Type A influenza was also occurring. A summary table based on published W.H.O. "Epidemiological Notes" through early March appears on page 90. (Estimates of geographical distribution are necessarily interpretations from available information.)

Laboratory characterization of the 1965 strains carried out by the World Influenza Centre, London, has shown similarities among A_2 strains recovered in Russia, Finland, and Sweden and between them and a strain present in England in 1964. The A_2 strain isolated from an outbreak in Puerto Rico during the fall of 1964 has likewise been shown to be related to the 1964 England antigen. Recently characterized Type B strains recovered in England from school outbreaks and sporadic cases early in the present year show more similarity to a Type B strain isolated in Singapore in 1964 than standard test antigens isolated in the late 1950's.

INTERNATIONAL INFLUENZA SUMMARY – 1965 *

Country	Geographical Distribution		First Recognized	Lab. Confirmation	
	Widespread	Scattered, Sporadic		Isolation	Serology
		CONFIRMED OUTBREAKS			
Europe					
U.S.S.R.	X		January	A_2	A
Eastern Germany		X	January	A_2	A
England		X	January	B	B
Finland		X	February	A_2	A
Poland		X	February	....	A
Netherlands		X	February	A_2,B	A,B
France	X		February	A_2,B	A,B
Sweden		X	February	A_2	A
Fed. Rep. of Germany		X	March	....	A
Asia					
Japan		X	January	A_2	....
		INFLUENZA-LIKE ILLNESS			
Hungary		X	February	....	....
Austria		X	February	....	....
Romania		X	February	....	....

* Omitting USA and based on "Epidemiological Notes" appearing in 1965 *Weekly Epidemiological Records* (W.H.O., Geneva).

. . . . Information not available

PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES

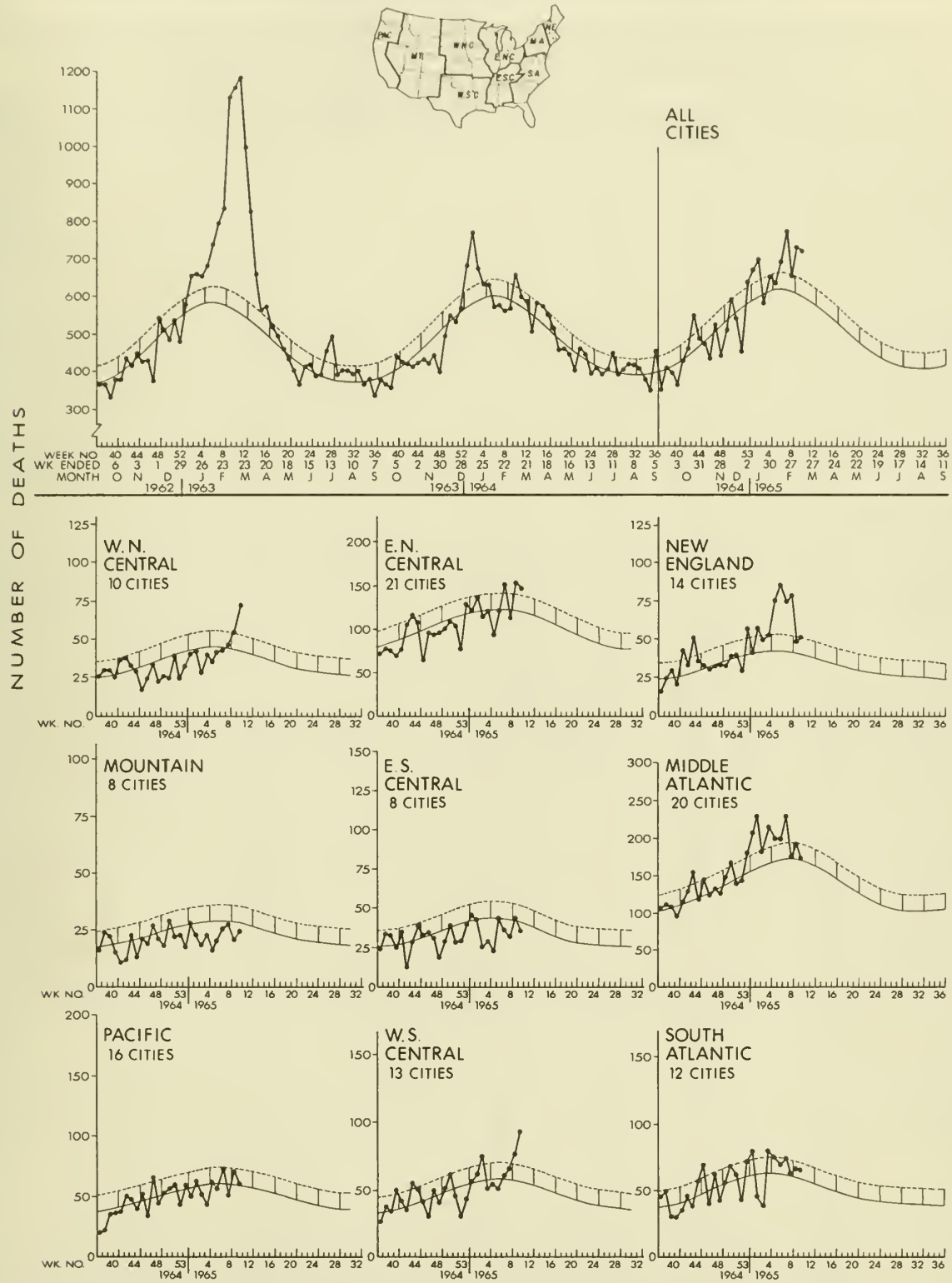

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 13, 1965 AND MARCH 7, 1964 (10th Week)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	25	28	38	10	-	2	11	-	2	7	12	43
NEW ENGLAND.....	-	-	1	-	-	-	-	-	-	-	-	1
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	1
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	3	5	13	1	-	-	3	-	-	3	-	2
New York City.....	-	1	2	-	-	-	-	-	-	-	-	1
New York, Up-State.	-	2	-	-	-	-	2	-	-	2	-	-
New Jersey.....	2	2	11	-	-	-	1	-	-	1	-	-
Pennsylvania.....	1	-	-	1	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	3	3	6	-	-	-	1	-	-	1	-	2
Ohio.....	-	1	1	-	-	-	-	-	-	-	-	1
Indiana.....	-	-	3	-	-	-	-	-	-	-	-	1
Illinois.....	3	1	1	-	-	-	1	-	-	1	-	-
Michigan.....	-	1	1	-	-	-	-	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	1	-	-	-	-	-	-	-	-	-	-	7
Minnesota.....	1	-	-	-	-	-	-	-	-	-	-	4
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	1
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	1
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	1
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	3	1	5	-	-	-	5	-	-	2	-	8
Delaware.....	1	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	1	-	-	-	3	-	-	-	-	1
South Carolina.....	-	-	1	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	-	-	-	-	-	2
Florida.....	2	-	3	-	-	-	2	-	-	2	-	2
EAST SOUTH CENTRAL...	2	1	4	-	-	-	1	-	-	-	2	5
Kentucky.....	2	1	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	1	-	-	-	-	-
Alabama.....	-	-	-	-	-	-	-	-	-	-	2	4
Mississippi.....	-	-	4	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	3	1	5	3	-	2	-	-	2	-	10	16
Arkansas.....	-	-	-	-	-	1	-	-	1	-	-	1
Louisiana.....	-	-	2	-	-	-	-	-	-	-	1	2
Oklahoma.....	-	1	-	-	-	-	-	-	-	-	-	-
Texas.....	3	-	3	3	-	1	-	-	1	-	9	13
MOUNTAIN.....	1	6	-	-	-	-	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	1	4	-	-	-	-	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	1	-	-	-	-	-	-	-	-	-	-
Utah.....	-	1	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	9	11	4	6	-	-	1	-	-	1	-	2
Washington.....	-	3	-	-	-	-	-	-	-	-	-	-
Oregon.....	2	1	1	-	-	-	-	-	-	-	-	-
California.....	7	7	3	6	-	-	1	-	-	1	-	2
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	2	5

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 13, 1965 AND MARCH 7, 1964 (10th Week) - CONTINUED

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	5	811	442	285	7,824	9,457	107	803	587	1	34
NEW ENGLAND.....	-	53	26	23	470	1,129	1	36	15	-	2
Maine.....	-	14	8	6	110	411	-	5	1	-	-
New Hampshire.....	-	3	3	-	39	109	-	1	-	-	1
Vermont.....	-	2	1	1	34	133	-	-	-	-	-
Massachusetts.....	-	20	8	10	157	206	1	16	7	-	1
Rhode Island.....	-	2	-	2	47	47	-	5	2	-	-
Connecticut.....	-	12	6	4	83	223	-	9	5	-	-
MIDDLE ATLANTIC.....	4	146	76	70	1,407	2,119	12	123	62	-	1
New York City.....	-	33	11	22	242	288	1	18	9	-	-
New York, Up-State.	-	50	32	18	659	1,005	2	30	20	-	1
New Jersey.....	-	19	8	11	171	318	5	42	16	-	-
Pennsylvania.....	4	44	25	19	335	508	4	33	17	-	-
EAST NORTH CENTRAL...	-	178	105	47	1,571	1,370	9	86	91	-	-
Ohio.....	-	39	22	6	501	389	2	24	28	-	-
Indiana.....	-	17	14	-	130	110	1	9	12	-	-
Illinois.....	-	44	20	16	293	214	-	18	20	-	-
Michigan.....	-	67	43	24	567	593	2	19	26	-	-
Wisconsin.....	-	11	6	1	80	64	4	16	5	-	-
WEST NORTH CENTRAL...	-	61	40	18	518	600	9	43	24	-	2
Minnesota.....	-	5	1	4	44	35	1	10	5	-	1
Iowa.....	-	16	10	4	209	90	-	1	2	-	-
Missouri.....	-	19	15	4	103	147	8	23	9	-	1
North Dakota.....	-	4	4	-	9	31	-	3	3	-	-
South Dakota.....	-	1	-	1	7	67	-	2	-	-	-
Nebraska.....	-	1	-	-	12	16	-	-	1	-	-
Kansas.....	-	15	10	5	134	214	-	4	4	-	-
SOUTH ATLANTIC.....	-	76	46	25	813	896	28	167	126	-	10
Delaware.....	-	5	1	4	36	14	-	3	2	-	-
Maryland.....	-	9	7	2	177	153	4	12	12	-	1
Dist. of Columbia..	-	-	-	-	7	18	-	3	2	-	-
Virginia.....	-	28	17	7	162	139	1	20	10	-	1
West Virginia.....	-	10	10	-	153	164	2	12	11	-	-
North Carolina.....	-	4	2	2	76	171	3	28	15	-	1
South Carolina.....	-	2	-	2	28	30	4	22	14	-	-
Georgia.....	-	3	2	1	36	14	5	27	10	-	3
Florida.....	-	15	7	7	138	193	9	40	50	-	4
EAST SOUTH CENTRAL...	-	71	45	15	613	647	13	47	51	1	8
Kentucky.....	-	31	16	5	220	308	8	19	16	-	1
Tennessee.....	-	24	20	3	243	217	1	15	22	-	3
Alabama.....	-	4	1	3	89	86	2	9	7	1	3
Mississippi.....	-	12	8	4	61	36	2	4	6	-	1
WEST SOUTH CENTRAL...	1	59	39	19	715	650	19	111	77	-	6
Arkansas.....	-	6	5	1	105	84	1	8	4	-	1
Louisiana.....	-	16	12	4	128	115	9	50	33	-	2
Oklahoma.....	1	-	-	-	29	40	3	13	3	-	-
Texas.....	-	37	22	14	453	411	6	40	37	-	3
MOUNTAIN.....	-	49	13	7	431	622	2	43	26	-	1
Montana.....	-	-	-	-	43	59	-	-	-	-	-
Idaho.....	-	5	-	-	59	50	-	4	1	-	-
Wyoming.....	-	-	-	-	24	26	1	2	1	-	-
Colorado.....	-	11	7	4	65	161	-	8	6	-	1
New Mexico.....	-	14	6	1	80	109	1	12	11	-	-
Arizona.....	-	15	-	-	98	130	-	11	2	-	-
Utah.....	-	4	-	2	57	66	-	4	1	-	-
Nevada.....	-	-	-	-	5	21	-	2	4	-	-
PACIFIC.....	-	118	52	61	1,286	1,424	14	147	115	-	4
Washington.....	-	7	2	5	106	154	-	7	11	-	-
Oregon.....	-	14	6	8	109	160	1	12	4	-	-
California.....	-	83	39	44	960	1,020	13	126	95	-	4
Alaska.....	-	13	4	4	102	51	-	1	2	-	-
Hawaii.....	-	1	1	-	9	39	-	1	3	-	-
Puerto Rico	-	18	15	3	158	142	1	3	9	-	7

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 13, 1965 AND MARCH 7, 1964 (10th Week) - CONTINUED

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	12,148	82,973	85,605	12,784	7	45	14	76	112	951
NEW ENGLAND.....	2,570	18,345	4,277	1,225	-	-	-	1	2	13
Maine.....	143	1,683	582	101	-	-	-	-	-	-
New Hampshire.....	28	274	61	16	-	-	-	-	-	-
Vermont.....	31	181	1,143	2	-	-	-	-	2	12
Massachusetts.....	1,377	10,445	784	134	-	-	-	1	-	-
Rhode Island.....	147	2,150	308	72	-	-	-	-	-	-
Connecticut.....	844	3,612	1,399	900	-	-	-	-	-	1
MIDDLE ATLANTIC.....	429	2,990	14,690	656	-	-	1	8	2	26
New York City.....	34	309	5,061	35	-	-	-	5	-	-
New York, Up-State.	144	996	3,244	452	-	-	-	2	2	24
New Jersey.....	98	549	3,284	92	-	-	-	-	-	-
Pennsylvania.....	153	1,136	3,101	77	-	-	1	1	-	2
EAST NORTH CENTRAL...	2,380	14,335	18,756	1,795	-	-	3	10	7	52
Ohio.....	537	3,012	3,049	265	-	-	1	3	-	-
Indiana.....	46	653	4,286	290	-	-	-	2	-	7
Illinois.....	107	466	4,310	288	-	-	-	1	4	15
Michigan.....	1,386	7,540	5,233	578	-	-	2	3	1	11
Wisconsin.....	304	2,664	1,878	374	-	-	-	1	2	19
WEST NORTH CENTRAL...	898	6,541	2,095	713	1	4	-	3	13	160
Minnesota.....	34	174	80	67	-	-	-	-	6	44
Iowa.....	562	3,626	874	188	-	-	-	-	1	52
Missouri.....	127	844	257	30	-	2	-	3	1	23
North Dakota.....	170	1,717	873	278	-	-	-	-	1	8
South Dakota.....	4	51	3	31	1	1	-	-	1	9
Nebraska.....	1	129	8	-	-	-	-	-	2	7
Kansas.....	NN	NN	NN	119	-	1	-	-	1	17
SOUTH ATLANTIC.....	1,320	11,156	8,391	1,404	3	15	5	21	24	158
Delaware.....	17	208	106	29	-	-	-	2	-	-
Maryland.....	45	379	1,209	105	-	-	-	6	-	2
Dist. of Columbia..	-	12	175	3	-	-	-	-	-	-
Virginia.....	334	1,589	2,073	376	-	3	-	2	21	133
West Virginia.....	670	7,551	2,232	524	-	-	1	2	-	2
North Carolina.....	13	140	324	7	1	3	3	7	-	-
South Carolina.....	30	208	1,362	54	1	3	1	2	-	-
Georgia.....	39	309	106	27	1	6	-	-	1	13
Florida.....	172	760	804	279	-	-	-	-	2	8
EAST SOUTH CENTRAL...	717	4,473	11,341	1,964	3	13	2	8	30	326
Kentucky.....	104	377	5,472	327	1	3	1	4	4	21
Tennessee.....	439	2,798	4,960	1,403	2	9	1	3	25	298
Alabama.....	144	973	234	117	-	1	-	1	1	7
Mississippi.....	30	325	675	117	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,655	10,613	10,221	1,109	-	8	1	11	26	149
Arkansas.....	19	648	215	5	-	4	1	5	1	23
Louisiana.....	2	23	28	18	-	1	-	2	3	34
Oklahoma.....	7	65	73	70	-	3	-	1	6	28
Texas.....	1,627	9,877	9,905	1,016	-	-	-	3	16	64
MOUNTAIN.....	788	6,693	3,757	2,096	-	5	-	10	1	20
Montana.....	216	1,962	875	24	-	1	-	-	-	3
Idaho.....	108	1,026	499	195	-	-	-	-	-	-
Wyoming.....	2	178	19	61	-	-	-	1	-	-
Colorado.....	173	1,083	491	969	-	-	-	-	-	-
New Mexico.....	60	185	83	353	-	-	-	6	-	-
Arizona.....	43	217	1,386	185	-	-	-	3	1	17
Utah.....	182	1,990	260	309	-	4	-	-	-	-
Nevada.....	4	52	144	-	-	-	-	-	-	-
PACIFIC.....	1,391	7,827	12,077	1,822	-	-	2	4	7	47
Washington.....	387	2,439	4,653	374	-	-	-	-	-	-
Oregon.....	199	1,233	1,352	25	-	-	-	-	-	1
California.....	706	3,372	5,240	1,299	-	-	2	3	7	46
Alaska.....	4	69	749	25	-	-	-	-	-	-
Hawaii.....	95	724	83	99	-	-	-	1	-	-
Puerto Rico	100	397	1,051	17	-	-	-	-	-	1

Week No. 10

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 13, 1965

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	841	528	51	41
Boston, Mass.	338	201	18	14
Bridgeport, Conn.	33	18	2	3
Cambridge, Mass.	31	24	1	1
Fall River, Mass.	36	25	2	1
Hartford, Conn.	63	41	-	4
Lowell, Mass.	28	20	3	2
Lynn, Mass.	12	9	1	1
New Bedford, Mass.	32	20	2	2
New Haven, Conn.	53	28	1	2
Providence, R. I.	75	46	7	5
Somerville, Mass.	17	15	3	-
Springfield, Mass.	49	36	6	2
Waterbury, Conn.	25	17	-	2
Worcester, Mass.	49	28	5	2
MIDDLE ATLANTIC:	3,475	2,032	172	154
Albany, N. Y.	53	30	2	1
Allentown, Pa.	46	25	5	5
Buffalo, N. Y.	160	89	4	8
Camden, N. J.	61	36	3	5
Elizabeth, N. J.	30	14	3	4
Erie, Pa.	46	30	1	1
Jersey City, N. J.	78	47	11	5
Newark, N. J.	87	39	7	7
New York City, N. Y.	1,749	1,017	71	77
Paterson, N. J.	36	21	3	2
Philadelphia, Pa.	452	256	17	10
Pittsburgh, Pa.	252	152	10	11
Reading, Pa.	48	37	-	-
Rochester, N. Y.	109	67	14	6
Schenectady, N. Y.	26	15	1	1
Scranton, Pa.	51	42	1	1
Syracuse, N. Y.	62	33	2	5
Trenton, N. J.	50	29	4	4
Utica, N. Y.	44	29	7	-
Yonkers, N. Y.	35	24	6	1
EAST NORTH CENTRAL:	2,907	1,679	146	152
Akron, Ohio	48	25	1	8
Canton, Ohio	40	23	5	1
Chicago, Ill.	823	446	48	41
Cincinnati, Ohio	151	89	2	10
Cleveland, Ohio	233	148	3	11
Columbus, Ohio	129	60	4	5
Dayton, Ohio	92	54	1	5
Detroit, Mich.	440	247	26	26
Evansville, Ind.	37	25	3	2
Flint, Mich.	54	37	4	2
Fort Wayne, Ind.	59	34	7	4
Gary, Ind.	31	14	1	2
Grand Rapids, Mich.	65	47	5	5
Indianapolis, Ind.	182	107	7	10
Madison, Wis.	45	27	-	2
Milwaukee, Wis.	147	93	7	6
Peoria, Ill.	34	20	1	1
Rockford, Ill.	30	18	2	1
South Bend, Ind.	52	31	9	4
Toledo, Ohio	138	85	6	3
Youngstown, Ohio	77	49	4	3
WEST NORTH CENTRAL:	1,017	626	71	68
Des Moines, Iowa	73	49	7	5
Duluth, Minn.	22	12	-	5
Kansas City, Kans.	46	21	5	4
Kansas City, Mo.	166	110	12	14
Lincoln, Nebr.	25	19	5	2
Minneapolis, Minn.	123	74	6	8
Omaha, Nebr.	107	66	3	2
St. Louis, Mo.	313	183	24	20
St. Paul, Minn.	85	53	5	4
Wichita, Kans.	57	39	4	4
SOUTH ATLANTIC:	1,247	643	65	81
Atlanta, Ga.	147	63	10	13
Baltimore, Md.	264	140	13	19
Charlotte, N. C.	26	12	2	2
Jacksonville, Fla.	90	42	3	3
Miami, Fla.	74	45	-	1
Norfolk, Va.	69	35	4	5
Richmond, Va.	94	49	3	5
Savannah, Ga.	64	33	7	3
St. Petersburg, Fla.	86	67	3	1
Tampa, Fla.	79	45	11	5
Washington, D. C.	199	83	8	21
Wilmington, Del.	55	29	1	3
EAST SOUTH CENTRAL:	654	362	35	40
Birmingham, Ala.	102	53	2	2
Chattanooga, Tenn.	52	31	6	1
Knoxville, Tenn.	46	34	2	1
Louisville, Ky.	104	67	17	6
Memphis, Tenn.	160	82	6	12
Mobile, Ala.	56	27	1	5
Montgomery, Ala.	26	14	1	2
Nashville, Tenn.	108	54	-	11
WEST SOUTH CENTRAL:	1,337	704	92	86
Austin, Tex.	62	34	6	6
Baton Rouge, La.	49	29	1	3
Corpus Christi, Tex.	47	24	4	3
Dallas, Tex.	145	77	5	12
El Paso, Tex.	35	15	3	5
Fort Worth, Tex.	84	45	2	4
Houston, Tex.	250	126	20	14
Little Rock, Ark.	63	39	14	4
New Orleans, La.	259	127	14	10
Oklahoma City, Okla.	91	48	6	15
San Antonio, Tex.	133	76	4	6
Shreveport, La.	67	32	10	4
Tulsa, Okla.	52	32	3	-
MOUNTAIN:	417	244	24	18
Albuquerque, N. Mex.	30	12	2	3
Colorado Springs, Colo.	20	15	2	-
Denver, Colo.	122	70	9	6
Ogden, Utah	17	11	-	-
Phoenix, Ariz.	104	56	2	8
Pueblo, Colo.	15	14	4	-
Salt Lake City, Utah	51	28	2	1
Tucson, Ariz.	58	38	3	-
PACIFIC:	1,702	1,020	60	92
Berkeley, Calif.	25	15	-	1
Fresno, Calif.	40	25	1	2
Glendale, Calif.*	41	30	-	1
Honolulu, Hawaii	53	28	-	5
Long Beach, Calif.*	70	43	2	4
Los Angeles, Calif.	619	352	31	42
Oakland, Calif.	95	53	3	3
Pasadena, Calif.*	35	26	1	1
Portland, Oreg.	109	70	4	4
Sacramento, Calif.	59	35	1	4
San Diego, Calif.	85	45	2	5
San Francisco, Calif.	206	123	3	4
San Jose, Calif.	40	25	5	5
Seattle, Wash.	126	82	2	6
Spokane, Wash.	57	41	2	4
Tacoma, Wash.	42	27	3	1
Total	13,597	7,838	716	732

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	135,922
All Causes, Age 65 and over	77,816
Pneumonia and Influenza, All Ages	6,124
All Causes, Under 1 Year of Age	7,911

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EPIDEMIOLOGIC REPORT
Trichinosis – Minnesota

On January 4, 1965, a physician in Houston County notified the Minnesota State Department of Health of a number of cases of suspected trichinosis. A total of 18 patients had experienced 2 or more of the following symptoms: weakness, myalgia, intermittent fever, severe headaches, periorbital edema, vomiting, and diarrhea. An eosinophilia, ranging from 13 to 54 percent, was found in those persons studied. Three patients had required hospitalization.

Investigation showed that all of the families involved raised their own meat, including pork and beef. The only common source exposure involved the consumption of a locally manufactured summer sausage. Two families ate this sausage at their homes during early December, and 3 other families were served this sausage at a midnight breakfast on December 14, 1964.

The sausage is produced from United States Department of Agriculture inspected pork butts and beef rounds by a local locker company. The pork butts are allegedly boned and frozen to comply with Minnesota regulation. The meat is then thawed, ground, put in U.S.D.A. inspected natural beef casings and smoked at 100° F. for 3 days. The sausage is refrigerated until sold. Approximately 600 lbs. per month are sold through the locker company store and by local stores in the area. The owner of the locker company is one of those persons reported to have symptoms characteristic of trichinosis.

Although conclusive evidence is lacking, there are 3 possible mechanisms to explain the contamination; one lot or a part of a lot of sausage was contaminated in a grinder, a fresh (rather than frozen) pork butt was included by mistake, or the freezing process did not adequately kill all of the larvae.

Because this product was sold across the State line, Iowa authorities are investigating several cases of suspected trichinosis in the northern part of that State for possible association with sausage manufactured in Minnesota.

(Reported by D. S. Fleming, M.D., Director, Division of Disease Prevention and Control, Minnesota Department of Health).

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES. SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.

U. S. DEPARTMENT OF
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